

APPLICANT(S): SELLARS, Robert
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AMENDMENTS TO THE CLAIMS

Please add or amend the claims to read as follows, and cancel without prejudice or disclaimer to resubmission in a divisional or continuation application claims indicated as cancelled:

CLAIMS

1. (Currently amended) A device for providing multi-directional movement comprising:
a housing having at least one main roller located therein, the housing having a first end defining an opening through which a part of the main roller extends, and a second end, wherein the second end and an inner wall of the housing define a cavity in which the roller is located;
at least one bearing means comprising an annular member with a plurality of openings in which support rollers are located for contacting ~~an upper~~ a surface part of the or each main roller, the surface part being a surface part of the roller oriented towards the second end of the housing, and wherein at least some of the support rollers are seated in the openings so that parts of their surfaces protrude further towards the first end of the housing than does the annular member in which they are located;
a centring means for preventing contact between the main roller and the inner wall of the housing and comprising a plurality of centring rollers for contacting a peripheral portion of the or each main roller;
a retaining means for retaining the centring means in position in the housing around the or each main roller; and
a braking means for providing resistance to rotation of at least one main roller.
2. (Currently amended) The device as claimed in claim 1 wherein the or each annular member is located above between the or each main roller and the second end of the housing.
3. (Canceled)
4. (Currently amended) The device as claimed in claim 3 1 wherein all the support rollers are

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seated so that ~~part of their surfaces protrude below the annular member~~ parts of their surfaces protrude further towards the first end of the housing than does the annular member in which they are located.

5. (Currently amended) The device as claimed in claim 1 wherein ~~part of a plurality of support rollers at least some of the support rollers are seated so that parts of their surfaces protrude further towards the second end of the housing than does the annular member in which they are located protrudes through the holes above the annular member.~~

6. (Currently amended) The device as claimed in claim 1 wherein the openings each comprise a hole through the annular member which has a diameter which varies in the direction of thickness of the annular member and which has reduces in size to a minimum; diameter which is less than the ~~width~~ diameter of the support roller bearing located therein.

7. (Original) The device as claimed in claim 1 wherein the retaining means is screwed into the bottom of the housing.

8. (Currently amended) The device as claimed in claim 7 wherein the centring means comprises a peripheral race with the plurality of ~~centre~~ centring rollers located therein to contact the peripheral portion of the or each main roller.

9. (Currently amended) The device as claimed in claim 8 wherein the ~~retainer~~ retaining means comprises a skirting device which is able to be screwed into the bottom of the housing.

10. (Original) The device as claimed in claim 8 wherein the retaining means comprises a circlip.

11. (Currently amended) The device as claimed in claim 1 wherein the centring means is housed in a recessed circular region of the housing located approximately at the equatorial region ~~of~~ of the one main roller.

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12. (Original) The device as claimed in claim 11, wherein the main roller is a spherical ball.

13. (Original) The device as claimed in claim 1 wherein the braking means comprises a braking member which is configured to be urged into contact with at least one main roller.

14. (Original) The device as claimed in claim 5 wherein the braking member comprises a brake pad located above the bearing means and configured to contact a top surface of at least one main roller.

15. (Original) The device as claimed in claim 14 wherein the braking means is able to be forced by an urging means through the annular member into contact with the main roller.

16. (Withdrawn) The device as claimed in claim 15 wherein the urging means comprises a screwable member which is controlled by a horizontal screw through a side wall of the housing.

17. (Withdrawn) The device as claimed in claim 1 wherein the housing comprises a tubular portion with a plurality of stepped regions on its inner surface, including an upper stepped region for receipt of the annular member and a lower stepped region for receipt of the centring means.

18. (Withdrawn) The device as claimed in claim 1 comprising a plurality of main rollers each having one associated bearing means.

19. (Withdrawn) The device as claimed in claim 1 including a central power transfer means with roller equispaced therearound.

20. (Withdrawn) The device as claimed in claim 1 including a peripheral race with bearings which are configured to contact outer surfaces of a plurality of main rollers.

21. (Withdrawn) The device as claimed in claim 20 wherein the central power transfer means

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comprises a drive shaft.

22. (Original) The device as claimed in claim 1 wherein the main roller is able to move in any direction.

23. (Withdrawn) The device as claimed in claim 1 including a plurality of bearing means.

24. (Withdrawn) The device as claimed in claim 23 including left and right side bearing means.

25. (Withdrawn) The device as claimed in claim 24 including left and right side centring means located on opposite sides of at least one roller.

26. (New) The device as claimed in claim 1 wherein the second end of the housing comprises a recessed circular region for accommodating the support rollers and/or the annular member, and wherein the recessed circular region is spaced apart inwardly from inner side wall.

27. (New) The device as claimed in claim 26 wherein the cavity is generally cylindrical, and wherein the recessed circular region has a diameter approximately half the size of the diameter of the cavity.